

The File:

27 August 1962

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## Noise and Interference Attenuator

1. On 23 August 1962, a visit was made to [REDACTED]

This visit was

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to review the progress being made [REDACTED] on a Noise and Interference Attenuator which is being fabricated as an adaptor to a 5LJ-4 receiver. The NIA to be delivered is a system which is expected to provide a significant improvement in the ability of the 5LJ-4 receiver to function in the presence of random electric noise and signal jamming. The NIA unit will be packaged as a separate unit, and will be mounted in a suitable rack with the 5LJ-4 receiver and a duPont 401 oscilloscope for signal monitoring.

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2. [REDACTED] had a unit fabricated and considered 25X1A5a1 it ready for demonstration. The unit failed to perform properly during this visit and it appeared to be due to a failure in the second demodulator and the audio system of the adapter. The author discussed with Mr. [REDACTED] several changes which were felt necessary. 25X1A5a1 The changes were:

- a. Make the unit capable of operating from 115 volts AC rather than dry battery pack which was installed in the unit.
- b. Bring out to the front panel a control for varying the BFO.
- c. Improve the operating tune up instructions.
- d. Improve the overall tuner characteristics to reduce the critical tuning requirements of the unit.

Mr. [REDACTED] indicated that repairs would be made to the unit and the suggested changes would be investigated.

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25X1A5a1 **SUBJECT: Noise and Interference Attenuator**  
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**Distribution:**

R and D Subject File  
R and D Lab  
OC-T  
Monthly (2)  
EP Chrono

OC-E/R and D-EP:NPH:mlf (27 August 1962)